

Converting Colors

XYZ(45.0331, 51.3212, 64.3778)

Have a look what the booklet for
XYZ(45.0331, 51.3212, 64.3778)
contains.

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Color

**XYZ(45.1362, 51.3131,
64.6522)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C4CC
RGB	160, 196, 204
RGB Percent	63%, 77%, 80%
CMY	0.3725, 0.2314, 0.2000
CMYK	0.22, 0.04, 0.00, 0.20
HSL	191°, 30%, 71%
HSV	191°, 22%, 80%
XYZ	45.1362, 51.3131, 64.6522
YIQ	186.1480, -24.0240, -5.1440

Conversions

Conversions Part 2

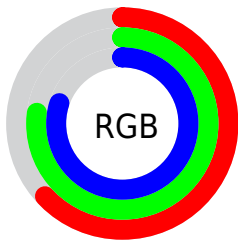
Format	Color
R _{YB}	160, 180, 204
Decimal	10536140
CIE Lab	76.87, -10.20, -7.98
CIE LCh	77, 12.956, 218.040
Yxy	51.3131, 0.2802, 0.3185
Android (android.graphics.Color)	4288726220 (0xFFA0C4CC)
YUV	186.1480, 8.8010, -22.9318
Hunter-Lab	71.6332, -12.8848, -3.3687

Details

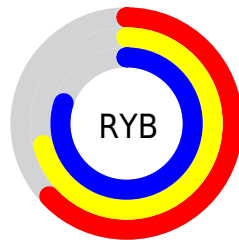
The XYZ color **45.1362, 51.3131, 64.6522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2500, 43.3807, 39.2471**, and the grayscale version is **46.7181, 49.1511, 53.5256**.

A 20% lighter version of the original color is **81.1996, 91.9176, 108.0699**, and **21.3624, 24.7362, 32.5028** is the 20% darker color. If you saturate the color by 10%, you get **40.5622, 47.7301, 64.2025**, and if you desaturate by 10%, it is **50.4030, 55.2866, 65.1424**.

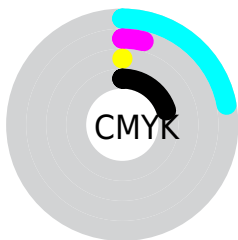
Distribution



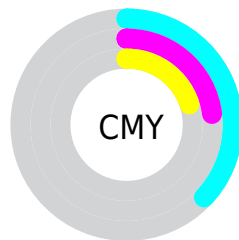
- Red (63%)
- Green (77%)
- Blue (80%)



- Red (63%)
- Yellow (71%)
- Blue (80%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (37%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1362, 51.3131, 64.6522 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.1362, 51.3131, 64.6522 by changing the saturation by 10% instead.

■ 45.1362, 51.3131,
64.6522

■ 45.1362, 51.3131,
64.6522

358.0993,
391.7790, 459.8130

■ 31.7665, 36.4578,
46.7296

■ 82.1606, 92.1174,
113.1582

■ 21.3379, 24.7880,
32.4691

■ 106.5459,
118.8353, 144.5786

■ 13.4851, 15.9192,
21.4523

135.3338,
150.2761, 181.3353

■ 7.8427, 9.4670,
13.2605

168.8896,
186.8244, 223.8469

■ 4.0454, 5.0470,
7.4754

207.5787,
228.8644, 272.5320

■ 1.7279, 2.2749,
3.6782

251.7665,

■ 0.4736, 0.7604,

276.7806, 327.8090

1.4505

301.8182,
330.9573, 390.0965

■ 0.0000, 0.0000,
0.1807

■ 0.0000, 0.0000,
0.0000

■ 45.1362, 51.3131,
64.6522

■ 45.1362, 51.3131,
64.6522

■ 40.5622, 47.7301,
64.2025

■ 50.4030, 55.2866,
65.1424

■ 36.6439, 44.5142,
63.7883

■ 56.3888, 59.6603,
65.6711

■ 33.3471, 41.6491,
63.4091

■ 63.1235, 64.4512,
66.2409

■ 30.6331, 39.1144,
63.0628

■ 70.6344, 69.6736,
66.8531

■ 28.4583, 36.8874,
62.7476

■ 76.3236, 73.9884,
67.3861

■ 26.7730, 34.9424,
62.4610

■ 77.2759, 75.8930,
67.7035

■ 25.5179, 33.2485,
62.2002

■ 78.2497, 77.8406,
68.0281

■ 24.7037, 31.9687,
61.9961

■ 79.2452, 79.8316,
68.3599

■ 80.2624, 81.8661,
68.6990

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.2312, 51.3131, 57.7898



45.1362, 51.3131, 64.6522



47.0220, 51.3131, 69.4171

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.1362, 51.3131, 64.6522



53.2967, 51.3131, 61.0979



48.1122, 51.3131, 43.4894

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.1362, 51.3131, 64.6522



45.2500, 43.3807, 39.2471

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.5640, 51.3131, 44.2132



45.1362, 51.3131, 64.6522



53.6125, 51.3131, 53.9957

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1362, 51.3131, 64.6522



51.7483, 51.3131, 67.2477



52.5971, 51.3131, 47.9237



45.9112, 51.3131, 45.8561

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1362, 51.3131, 64.6522



48.6098, 51.3131, 70.5513



52.5971, 51.3131, 47.9237



48.9337, 51.3131, 43.3834

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.1377, 51.3152, 64.6534



88.7627, 95.4513, 108.3534



43.0969, 53.4626, 44.7698



18.8582, 20.3278, 23.1797



0.0000, 0.0000, 0.0000



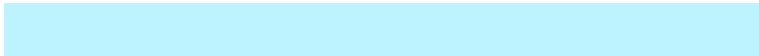
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1377, 51.3152, 64.6534



70.9974, 82.0714, 106.7071



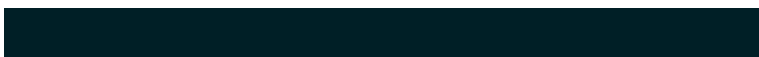
40.6624, 42.3646, 63.1616



11.3631, 12.3667, 14.3585



15.6113, 20.2465, 39.0414



0.8517, 1.1372, 2.0295

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.4376, 41.9656, 57.8269



75.5432, 63.9943, 93.1246



49.5173, 51.9151, 40.6695



11.5967, 11.3674, 13.6766



20.0907, 9.8469, 23.9943



1.0598, 0.5173, 1.3610

Previews

White Background



This preview shows how the XYZ color 45.1362, 51.3131, 64.6522 looks on a white background.

Color Contrast Check

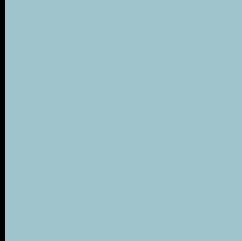
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.1362, 51.3131, 64.6522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

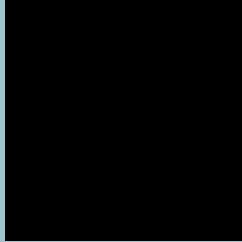
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1362, 51.3131, 64.6522

Background



This preview shows how black text looks on a background with the XYZ color 45.1362, 51.3131, 64.6522.



This preview shows how white text looks on a background with the XYZ color 45.1362, 51.3131,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.1362, 51.3131, 64.6522

Protanopia

49.5272, 51.0371, 61.2736

Deuteranopia

52.1005, 51.0166, 65.4937



Tritanopia

45.9709, 51.3104, 69.1090

Trichromacy



Original Color

45.1362, 51.3131, 64.6522

Protanomaly

47.7638, 51.0624, 62.5969

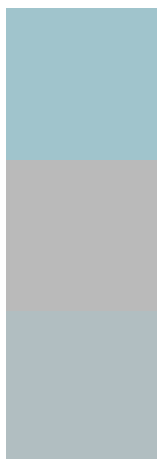
Deuteranomaly

49.0102, 50.6885, 64.9583

Tritanomaly

45.5982, 51.1613, 67.1464

Monochromacy



Original Color

45.1362, 51.3131, 64.6522

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1706, 50.0243, 57.6743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1362, 51.3131, 64.6522 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(160, 196, 204)` looks like.

```
.text, #text, p{  
    color:rgb(160, 196, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(160, 196, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 196, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.1362, 51.3131, 64.6522 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 196, 204) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(160, 196, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(160, 196, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 196, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 196, 204);  
box-shadow:4px 4px 4px 4px rgb(160, 196,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1362, 51.3131, 64.6522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 196, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(160,  
196, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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